

CLAIMS:

1. System for controlling a light source within an area, the system comprising:
location means conceived to detect a position of at least one person within an area;
activity means conceived to detect a kind of activity performed by the at least one person within the area; and
lighting control means conceived to control the light source within the area in response to the detected at least one person and the kind of activity performed by the at least one person within the area.
- 10 2. System according to claim 1, the system comprising intensity means conceived to detect an intensity with which the kind of activity is performed by the at least one person and the lighting control means is conceived to control the light source within the area in response to the detected intensity.
- 15 3. System according to claim 1, the system comprising dating means conceived to determine a date and a time and the lighting control means is conceived to control the light source within the area in response to the determined date and time.
- 20 4. System according to claim 1, the system comprising noise means conceived to detect noise within the area and the lighting control means is conceived to control the light source within the area in response to the detected noise.
- 25 5. System according to claim 1, the system comprising motion means is conceived to detect motion of the person within the area and the lighting control means is conceived to control the light source within the area in response to the detected motion.
6. System according to claim 1, the system comprising preference means conceived to determine a preference of a person and the lighting control means is conceived

to control the light source within the area in response to the preference of the at least one person.

7. Method of controlling a light source within an area, the method comprising:

5 detecting a position of at least one person within an area;

detecting a kind of activity performed by the at least one person within the area; and

controlling the light source within the area in response to the detected at least one person and the kind of activity performed by the at least one person within the area.

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8. Method according to claim 7, the method comprising detecting an intensity with which the kind of activity is performed by the at least one person and the step of controlling the light source comprises controlling the light source within the area in response to the detected intensity.

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9. Lighting arrangement comprising the system according to any of the claims 1 to 6.